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ABSTRACT:

A method is described to operate a hearing device with an
5 input transducer (1), a signal processing unit (2) and an
output transducer (4). The method comprises the steps of
converting an acoustic input signal into a converted input
signal, processing the converted input signal in a main
signal path in order to obtain a main output signal, and
10 supplying the main output signal to an output transducer.
By processing the converted input signal in a side signal
path to obtain a side path output signal, and by
superimposing the side path output signal on the main
output signal, wherein a group delay of a signal traveling
15 through the side signal path is smaller than a group delay
of a signal traveling through the main signal path, the
localization problems are eliminated. At the same time, the
hearing device according to the present invention can still
have a very high performance. In short terms, a "zero-
20 delay-high-performance" hearing device has been created by
the present invention.

(Fig. 2)